

Abstract

On a glass plate being transparent at specified wavelengths there are provided a laminated region being absorptive at the specified wavelengths; means for applying voltage to the region, the region exhibiting electrical conductivity; means for binding nucleic acids onto the region; a container for accommodating cells on the region; means for culturing cells in the container; means for observing the cells; and means for effecting localized dissociation and recovery of nucleic acid components bound on the region by heat, the heat generated locally only in the vicinity of focused light by irradiating the region with focused light of the specified wavelengths. For clarifying the distribution of nucleic acid components in cells of specified condition or the distribution of nucleic acid components in each cell of a tissue cell mass there is provided means for selectively separating and recovering nucleic acid components of specified range in each cell of specified cellular condition.